## Express Mail Label No.: EK005151360US Date of Dep sit Dempher 21, 2000

## SEQUENCE LISTING

<110> Gregory D. Jay

<120> tribonectins

<130> 21486-026cip

<140> USSN 09/556,246

<141> 2000-04-24

<150> USSN 09/298/970

<151> 1999-04-23

<160> 34

<170> PatentIn Ver. 2.0

<210> 1

<211> 1404

<212> PRT

<213> Homo sapiens

<400> 1

Met Ala Trp Lys Thr Leu Pro Ile Tyr Leu Leu Leu Leu Leu Ser Val 1 5 10 15

Phe Val Ile Gln Gln Val Ser Ser Gln Asp Leu Ser Ser Cys Ala Gly
20 25 30

Arg Cys Gly Glu Gly Tyr Ser Arg Asp Ala Thr Cys Asn Cys Asp Tyr 35 40 45

Asn Cys Gln His Tyr Met Glu Cys Cys Pro Asp Phe Lys Arg Val Cys
50 55 60

Thr Ala Glu Leu Ser Cys Lys Gly Arg Cys Phe Glu Ser Phe Glu Arg
65 70 75 80

Gly Arg Glu Cys Asp Cys Asp Ala Gln Cys Lys Lys Tyr Asp Lys Cys
85 90 95

Cys Pro Asp Tyr Glu Ser Phe Cys Ala Glu Val His Asn Pro Thr Ser 100 105 110

Pro Pro Ser Ser Lys Lys Ala Pro Pro Pro Ser Gly Ala Ser Gln Thr 115 120 125



RECEIVED

JAN 1 0 2001

TECH CENTER 1500/2300

Ile Lys Ser Thr Thr Lys Arg Ser Pro Lys Pro Pro Asn Lys Lys Thr Lys Lys Val Ile Glu Ser Glu Glu Ile Thr Glu Glu His Ser Val Ser Thr Ile Trp Lys Ile Lys Ser Ser Lys Asn Ser Ala Ala Asn Arg Glu Leu Gln Lys Lys Leu Lys Val Lys Asp Asn Lys Lys Asn Arg Thr Lys Lys Lys Pro Thr Pro Lys Pro Pro Val Val Asp Glu Ala Gly Ser Gly Leu Asp Asn Gly Asp Phe Lys Val Thr Thr Pro Asp Thr Ser Thr Thr Gln His Asn Lys Val Ser Thr Ser Pro Lys Ile Thr Thr Ala Lys Pro Ile Asn Pro Arg Pro Ser Leu Pro Pro Asn Ser Asp Thr Ser Lys Glu Thr Ser Leu Thr Val Asn Lys Glu Thr Thr Val Glu Thr Lys Glu Thr Thr Thr Asn Lys Gln Thr Ser Thr Asp Gly Lys Glu Lys Thr Thr Ser Ala Lys Glu Thr Gln Ser Ile Glu Lys Thr Ser Ala Lys Asp Leu Ala Pro Thr Ser Lys Val Leu Ala Lys Pro Thr Pro Lys Ala Glu Thr Thr Lys Gly Pro Ala Leu Thr Thr Pro Lys Glu Pro Thr Pro Thr Thr Pro Lys Glu Pro Ala Ser Thr Thr Pro Lys Glu Pro Thr Pro Thr Thr Ile Lys Ser Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr

Thr 385		Lys	Ser	Ala	9ro 390		Thr	Pro	Lys	Glu 395		Ala	. Pro	Thr	Thr 400
Thr	Lys	Glu	Pro	Ala 405	Pro	Thr	Thr	Pro	Lys 410		Pro	Ala	Pro	Thr 415	
Thr	Lys	Glu	Pro 420		Pro	Thr	Thr	Thr 425	Lys	Ser	Ala	Pro	Thr 430	Thr	Pro
Lys	Glu	Pro 435	Ala	Pro	Thr	Thr	Pro 440	Lys	Lys	Pro	Ala	Pro 445	Thr	Thr	Pro
Lys	Glu 450		Ala	Pro	Thr	Thr 455	Pro	Lys	Glu	Pro	Thr 460	Pro	Thr	Thr	Pro
Lys 465	Glu	Pro	Ala	Pro	Thr 470	Thr	Lys	Glu	Pro	Ala 475	Pro	Thr	Thr	Pro	Lys 480
Glu	Pro	Ala	Pro	Thr 485	Ala	Pro	Lys	Lys	Pro 490	Ala	Pro	Thr	Thr	Pro 495	Lys
Glu	Pro	Ala	Pro 500	Thr	Thr	Pro	Lys	Glu 505	Pro	Ala	Pro	Thr	Thr 510	Thr	Lys
Glu	Pro	Ser 515	Pro	Thr	Thr	Pro	Lys 520	Glu	Pro	Ala	Pro	Thr 525	Thr	Thr	Lys
Ser	Ala 530	Pro	Thr	Thr	Thr	Lys 535	Glu	Pro	Ala	Pro	Thr 540	Thr	Thr	Lys	Ser
Ala 545	Pro	Thr	Thr	Pro	Lys 550	Glu	Pro	Ser	Pro	Thr 555	Thr	Thr	Lys	Glu	Pro 560
Ala	Pro	Thr	Thr	Pro 565	Lys	Glu	Pro	Ala	Pro 570	Thr	Thr	Pro	Lys	Lys 575	Pro
Ala	Pro	Thr	Thr 580	Pro	Lys	Glu	Pro	Ala 585	Pro	Thr	Thr	Pro	Lys 590	Glu	Pro
Ala	Pro	Thr 595	Thr	Thr	Lys	Lys	Pro 600	Ala	Pro	Thr	Ala	Pro 605	Lys	Glu	Pro
Ala	Pro 610	Thr	Thr	Pro	Lys	Glu 615	Thr	Ala	Pro	Thr	Thr 620	Pro	Lys	Lys	Leu
Thr 625	Pro	Thr	Thr	Pro	Glu 630	Lys	Leu	Ala	Pro	Thr 635	Thr	Pro	Glu	Lys	Pro 640

RECEIVED

- 05 <sub>2001</sub>

TECH CENTER 1600/2900

Ala Pro Thr Thr Pro Glu Glu Leu Ala Pro Thr Thr Pro Glu Glu Pro Thr Pro Thr Thr Pro Glu Glu Pro Ala Pro Thr Thr Pro Lys Ala Ala Ala Pro Asn Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Glu Thr Ala Pro Thr Thr Pro Lys Gly Thr Ala Pro Thr Thr Leu Lys Glu Pro Ala Pro Thr Thr Pro Lys Lys Pro Ala Pro Lys Glu Leu Ala Pro Thr Thr Thr Lys Glu Pro Thr Ser Thr Thr Ser Asp Lys Pro Ala Pro Thr Thr Pro Lys Gly Thr Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Gly Thr Ala Pro Thr Thr Leu Lys Glu Pro Ala Pro Thr Thr Pro Lys Lys Pro Ala Pro Lys Glu Leu Ala Pro Thr Thr Thr Lys Gly Pro Thr Ser Thr Thr Ser Asp Lys Pro Ala Pro Thr Thr Pro Lys Glu Thr Ala Pro Thr Thr Pro Lys Glu Pro Ala Pro Thr Thr Pro Lys Lys Pro Ala Pro Thr Thr Pro Glu Thr Pro Pro Pro Thr Thr Ser Glu Val Ser Thr Pro Thr Thr Lys Glu Pro Thr Thr Ile His Lys Ser Pro Asp Glu Ser Thr Pro Glu Leu

Ser Ala Glu Pro Thr Pro Lys Ala Leu Glu Asn Ser Pro Lys Glu Pro

- Gly Val Pro Thr Thr Lys Thr Pro Ala Ala Thr Lys Pro Glu Met Thr 900 905 910
- Thr Thr Ala Lys Asp Lys Thr Thr Glu Arg Asp Leu Arg Thr Thr Pro 915 920 925
- Glu Thr Thr Ala Ala Pro Lys Met Thr Lys Glu Thr Ala Thr Thr 930 935 940
- Thr Glu Lys Thr Thr Glu Ser Lys Ile Thr Ala Thr Thr Thr Gln Val 945 950 955 960
- Thr Ser Thr Thr Gln Asp Thr Thr Pro Phe Lys Ile Thr Thr Leu 965 970 975
- Lys Thr Thr Leu Ala Pro Lys Val Thr Thr Thr Lys Lys Thr Ile 980 985 990
- Thr Thr Glu Ile Met Asn Lys Pro Glu Glu Thr Ala Lys Pro Lys 995 1000 1005
- Asp Arg Ala Thr Asn Ser Lys Ala Thr Thr Pro Lys Pro Gln Lys Pro 1010 1015 1020
- Thr Lys Ala Pro Lys Lys Pro Thr Ser Thr Lys Lys Pro Lys Thr Met 1025 1030 1035 1040
- Pro Arg Val Arg Lys Pro Lys Thr Thr Pro Thr Pro Arg Lys Met Thr
  1045 1050 1055
- Ser Thr Met Pro Glu Leu Asn Pro Thr Ser Arg Ile Ala Glu Ala Met 1060 1065 1070
- Leu Gln Thr Thr Thr Arg Pro Asn Gln Thr Pro Asn Ser Lys Leu Val 1075 1080 1085
- Glu Val Asn Pro Lys Ser Glu Asp Ala Gly Gly Ala Glu Gly Glu Thr 1090 1095 1100
- Pro His Met Leu Leu Arg Pro His Val Phe Met Pro Glu Val Thr Pro 1105 1110 1115 1120
- Asp Met Asp Tyr Leu Pro Arg Val Pro Asn Gln Gly Ile Ile Ile Asn 1125 1130 1135
- Pro Met Leu Ser Asp Glu Thr Asn Ile Cys Asn Gly Lys Pro Val Asp 1140 1145 1150

- Gly Leu Thr Thr Leu Arg Asn Gly Thr Leu Val Ala Phe Arg Gly His 1155 1160 1165
- Tyr Phe Trp Met Leu Ser Pro Phe Ser Pro Pro Ser Pro Ala Arg Arg 1170 1175 1180
- Ile Thr Glu Val Trp Gly Ile Pro Ser Pro Ile Asp Thr Val Phe Thr 1185 1190 1195 1200
- Arg Cys Asn Cys Glu Gly Lys Thr Phe Phe Phe Lys Asp Ser Gln Tyr
  1205 1210 1215
- Trp Arg Phe Thr Asn Asp Ile Lys Asp Ala Gly Tyr Pro Lys Pro Ile 1220 1225 1230
- Phe Lys Gly Phe Gly Gly Leu Thr Gly Gln Ile Val Ala Ala Leu Ser 1235 1240 1245
- Thr Ala Lys Tyr Lys Asn Trp Pro Glu Ser Val Tyr Phe Phe Lys Arg 1250 1255 1260
- Gly Gly Ser Ile Gln Gln Tyr Ile Tyr Lys Gln Glu Pro Val Gln Lys 1265 1270 1275 1280
- Cys Pro Gly Arg Arg Pro Ala Leu Asn Tyr Pro Val Tyr Gly Glu Met 1285 1290 1295
- Thr Gln Val Arg Arg Arg Phe Glu Arg Ala Ile Gly Pro Ser Gln 1300 1305 1310
- Thr His Thr Ile Arg Ile Gln Tyr Ser Pro Ala Arg Leu Ala Tyr Gln 1315 1320 1325
- Asp Lys Gly Val Leu His Asn Glu Val Lys Val Ser Ile Leu Trp Arg 1330 1335 1340
- Gly Leu Pro Asn Val Val Thr Ser Ala Ile Ser Leu Pro Asn Ile Arg 1345 1350 1355 1360
- Lys Pro Asp Gly Tyr Asp Tyr Tyr Ala Phe Ser Lys Asp Gln Tyr Tyr 1365 1370 1375
- Asn Ile Asp Val Pro Ser Arg Thr Ala Arg Ala Ile Thr Thr Arg Ser 1380 1385 1390
- Gly Gln Thr Leu Ser Lys Val Trp Tyr Asn Cys Pro 1395 1400

<210> 2 <211> 5041 <212> DNA

<213> Homo sapiens

## <400> 2

gcggccgcga ctattcggta cctgaaaaca acgatggcat ggaaaacact tcccatttac 60 ctgttgttgc tgctgtctgt tttcgtgatt cagcaagttt catctcaaga tttatcaagc 120 tgtgcaggga gatgtgggga agggtattct agagatgcca cctgcaactg tgattataac 180 tgtcaacact acatggagtg ctgccctgat ttcaagagag tctgcactgc ggagctttcc 240 tgtaaaggcc gctgctttga gtccttcgag agagggaggg agtgtgactg cgacgcccaa 300 tgtaagaagt atgacaagtg ctgtcccgat tatgagagtt tctgtgcaga agtgcataat 360 cccacatcac caccatcttc aaagaaagca cctccacctt caggagcatc tcaaaccatc 420 aaatcaacaa ccaaacgttc acccaaacca ccaaacaaga agaagactaa gaaagttata 480 gaatcagagg aaataacaga agaacattct gtttctgaaa atcaagagtc ctcctcctcc 540 tcctcctctt cctcttcttc ttcaacaatt tggaaaatca agtcttccaa aaattcagct 600 gctaatagag aattacagaa gaaactcaaa gtaaaagata acaagaagaa cagaactaaa 660 aagaaaccta cccccaaacc accagttgta gatgaagctg gaagtggatt ggacaatggt 720 gacttcaagg tcacaactcc tgacacgtct accacccaac acaataaagt cagcacatct 780 cccaagatca caacagcaaa accaataaat cccagaccca gtcttccacc taattctgat 840 acatctaaag agacgtcttt gacagtgaat aaagagacaa cagttgaaac taaagaaact 900 actacaacaa ataaacagac ttcaactgat ggaaaagaga agactacttc cgctaaagag 960 acacaaagta tagagaaaac atctgctaaa gatttagcac ccacatctaa agtgctggct 1020 aaacctacac ccaaagctga aactacaacc aaaggccctg ctctcaccac tcccaaggag 1080 cccacgeeca ccaeteecaa ggageetgea tetaccaeae ecaaagagee cacaeetaee 1140 accatcaagt ctgcacccac cacccccaag gagcctgcac ccaccaccac caagtctgca 1200 cccaccactc ccaaggagcc tgcacccacc accaccaagg agcctgcacc caccactccc 1260 aaggageetg cacceaceae caccaaggag eetgeaceea ceaccaceaa gtetgeacee 1320 accactecca aggageetge acceaceace eccaagaage etgeeccaac tacceecaag 1380 gageetgeae ecaceaetee caaggageet acaceeacea eteccaagga geetgeacee 1440 accaccaagg agcctgcacc caccactccc aaagagcctg cacccactgc ccccaagaag 1500 cctgccccaa ctacccccaa ggagcctgca cccaccactc ccaaggagcc tgcacccacc 1560 accaccaagg agecttcacc caccactece aaggageetg cacccaccac caccaagtet 1620 gcacccacca ctaccaagga gcctgcaccc accactacca agtctgcacc caccactccc 1680 aaggageett cacccaccac caccaaggag cetgcaccca ccacteccaa ggageetgca 1740 cccaccaccc ccaagaagcc tgccccaact acccccaagg agcctgcacc caccactccc 1800 aaggaacetg cacccaccac caccaagaag cetgcaccca cegeteccaa agageetgee 1860 ccaactaccc ccaaggagac tgcacccacc acccccaaga agctcacgcc caccacccc 1920 gagaageteg cacceaceae ceetgagaag ceegcaceca ceaeceetga ggagetegca 1980 cccaccaccc ctgaggagcc cacacccacc acccctgagg agcctgctcc caccactccc 2040 aaggcagcgg ctcccaacac ccctaaggag cctgctccaa ctacccctaa ggagcctgct 2100 ccaactaccc ctaaggagcc tgctccaact acccctaagg agactgctcc aactacccct 2160 aaagggactg ctccaactac cctcaaggaa cctgcaccca ctactcccaa gaagcctgcc 2220 cccaaggagc ttgcacccac caccaccaag gagcccacat ccaccacctc tgacaagccc 2280 gctccaacta cccctaaggg gactgctcca actaccccta aggagcctgc tccaactacc 2340 cctaaggagc ctgctccaac tacccctaag gggactgctc caactaccct caaggaacct 2400 gcacccacta ctcccaagaa gcctgccccc aaggagcttg cacccaccac caccaagggg 2460

cccacatcca	ccacctctga	caagcctgct	ccaactacac	ctaaggagac	tgctccaact	2520
					tcctgagaca	
					taccactatc	
					aaaagctctt	
					gactaaacct	
					tacacctgaa	
					aaaaactacc	
gaatccaaaa	taacagctac	aaccacacaa	gtaacatcta	ccacaactca	agataccaca	2940
					tacaacaaaa	
					accaaaagac	
					agcacccaaa	
					aaagacgaca	
					aagaatagca	
					actagttgaa	
gtaaatccaa	agagtgaaga	tgcaggtggt	gctgaaggag	aaacacctca	tatgcttctc	3360
					gagagtaccc	
					caatggtaag	
					aggtcattat	
					tgaagtttgg	
					aaaaactttc	
					agggtacccc	
					gctttcaaca	
					cagcattcag	
					tgctctaaat	
tatccagtgt	atggagaaat	gacacaggtt	aggagacgtc	gctttgaacg	tgctatagga	3960
					ttatcaagac	
aaaggtgtcc	ttcataatga	agttaaagtg	agtatactgt	ggagaggact	tccaaatgtg	4080
gttacctcag	ctatatcact	gcccaacatc	agaaaacctg	acggctatga	ttactatgcc	4140
ttttctaaag	atcaatacta	taacattgat	gtgcctagta	gaacagcaag	agcaattact	4200
					tgatgagcaa	
aggaggagtc	aactaatgaa	gaaatgaata	ataaattttg	acactgaaaa	acattttatt	4320
aataaagaat	attgacatga	gtataccagt	ttatatataa	aaatgttttt	aaacttgaca	4380
atcattacac	taaaacagat	ttgataatct	tattcacagt	tgttattgtt	tacagaccat	4440
ttaattaata	tttcctctgt	ttattcctcc	tctccctccc	attgcatggc	tcacacctgt	4500
aaaagaaaaa	agaatcaaat	tgaatatatc	ttttaagaat	tcaaaactag	tgtattcact	4560
taccctagtt	cattataaaa	aatatctagg	cattgtggat	ataaaactgt	tgggtattct	4620
acaacttcaa	tggaaattat	tacaagcaga	ttaatccctc	tttttgtgac	acaagtacaa	4680
tctaaaagtt	atattggaaa	acatggaaat	attaaaattt	tacactttta	ctagctaaaa	4740
cataatcaca	aagctttatc	gtgttgtata	aaaaattaa	caatataatg	gcaataggta	4800
					ttaatttgga	
					atctaaggta	
tacaaatctg	tctacatgaa	gtttacagat	tggtaaatat	cacctgctca	acatgtaatt	4980
atttaataaa	actttggaac	attaaaaaaa	taaattggag	gcttaaaaaa	aaaaaaaaa	5040
a						5041

<210> 3 <211> 7

<212> PRT

RECEIVED

TECH CENTER 1600/2900

```
<213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: chemically
       synthesized
<400> 3
Lys Glu Pro Ala Pro Thr Thr
<210> 4
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<220>
<221> VARIANT
<222> (1)..(6)
<223> wherein X may be any amino acid as defined in the
      specification
<400> 4
Xaa Xaa Thr Thr Thr Xaa
  1
                   5
<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 5
Glu Pro Ala Pro Thr Thr
  1
<210> 6
<211> 6
<212> PRT
```

```
<213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: chemically
       synthesized
<400> 6
Pro Thr Thr Lys Glu Pro
   1
                   5
<210> 7
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 7
agatttatca agctgtgcag ggag
                                                                    24
<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 8
tttacaggaa agctccgcag tg
                                                                    22
<210> 9
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 9
tcaaggtcac aactcctgac acg
                                                                    23
```

<210> 10

<211> 24 <212> DNA	ECEIVED
<212> DNA <213> Artificial Sequence	
12137 Attititat bequence	05 2001
<220>	
<223> Description of Artificial Sequence: chemically synthesized	TECH CENTER 1600/250
<400> 10	
ctctcggtaa gtaatccatg tcgg	24
<210> 11	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<pre>&lt;223&gt; Description of Artificial Sequence: chemically     synthesized</pre>	
<400> 11	
ttgttgctgc tgtctgtttt cg	22
<210> 12	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<pre>&lt;223&gt; Description of Artificial Sequence: chemically     synthesized</pre>	
<400> 12	
tggataaggt ctgcccagaa cgag	24
<210> 13	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: chemically synthesized	
<400> 13	
tcaaggtcac aactcctgac acg	23
<210> 14	

```
<211> 24
<212> DNA
 <213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
       synthesized
<400> 14
gatggtgtgt gtttgagaag gtcc
                                                                    24
<210> 15
<211> 25
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 15
ccaaaccacc agttgtagat gaagc
                                                                    25
<210> 16
<211> 28
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 16
gcggaagtag tcttctcttt tccatcag
                                                                    28
<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: chemically
      synthesized
<400> 17
ttgttgctgc tgtctgtttt cg
                                                                    22
<210> 18
```

<211>	22	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
	Description of Artificial Sequence: chemically	
	synthesized	
	5/monos120a	
<400>	18	
	tgtgg ggaagggtat tc	22
99494	-5-55 55uugggcut to	22
<210>	19	
<211>		
<212>		
	Artificial Sequence	
(213)	Altilitial Sequence	
<220>		
	Doggrintion of Autificial Commun.	
<443>	Description of Artificial Sequence: chemically	
	synthesized	
<400>		_
caccai	cette aaagaaagea eete	24
210	22	
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
	December of Autificial Communication 11	
<223>	Description of Artificial Sequence: chemically	
	synthesized	
. 4 0 0	20	
<400>	·	
cctcct	cette etettettet teaac	25
.010-	21	
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: chemically	
	synthesized	
<400>		
ggcatt	atca tcaatcccat gc	22
_		
<210>	22	

<211:	> 22	
<212:	> DNA	
<213	Artificial Sequence	
	•	
<220>	•	
<223	Description of Artificial Sequence: chemically	
	synthesized	
	synchesized	
<400>	. 22	
ggcat	tatca tcaatcccat gc	22
<210>	22	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: chemically	
	synthesized	
<400>	23	
gggtc	tggga tttattggtt ttgc	24
<210>	24	
<211>	24	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: chemically	
	synthesized	
<400>	24	
	tggga tttattggtt ttgc	
33300	-5554	24
<210>	25	
<211>		
<212>		
	Artificial Sequence	
(213)	Artificial Sequence	
<220>	•	
	Paramitable of a state to a	
<223>	Description of Artificial Sequence: chemically	
	synthesized	
<400>		
gggtct	ggga tttattggtt ttgc	24
<210>	26	

<211> 24	L Control of the Cont	
<212> DN	JA.	
<213> Ar	tificial Sequence	
<220>		
<223> De	escription of Artificial Sequence: chemically	
	onthesized	
2)	inches 12eu	
<400> 26		
gggtetgg	gga tttattggtt ttgc 2	4
010. 05		
<210> 27		
<211> 24		
<212> DN		
<213> Ar	tificial Sequence	
<220>		
<223> De	scription of Artificial Sequence: chemically	
sy	rnthesized	
<400> 27		
cacatttg	ga agtcctctcc acag	4
<210> 28		
<211> 25		
<212> DN	TA.	
<213> Ar	tificial Sequence	
<220>		
<223> De	scription of Artificial Sequence: chemically	
	nthesized	
-1		
<400> 28	·	
	gc tgttctacta ggcac 2:	_
0090000	go egecocacca ggeac	2
<210> 29		
<211> 22		
<211> 22		
<213> AI	tificial Sequence	
222		
<220>		
	scription of Artificial Sequence: chemically	
sy	nthesized	
<400> 29		
ttgttgct	gc tgtctgtttt cg 22	2
<210> 30		

<211> 22	
<212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Description of Artificial Seque	ange, chomically
synthesized	ince: chemically
synchesized	
400. 20	
<400> 30	
ttgttgctgc tgtctgtttt cg	22
<210> 31	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Seque	nce: chemically
synthesized	
<400> 31	
ggagatgtgg ggaagggtat tc	22
<210> 32	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
-	
<220>	
<223> Description of Artificial Seque	nce: chemically
synthesized	
•	
<400> 32	
catacttctt acattgggcg tcg	23
	23
<210> 33	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
Altificial bequence	
<220>	
<223> Description of Artificial Seque	ngo, showing live
synthesized	nce: cnemically
aynchesized	
~100× 33	•
<400> 33	
tggtggtgat gtgggattat gc	22
210 24	
<210> 34	

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chemically synthesized

<400> 34

ggaggaggag gactcttgat tttc

24